Ankara Üniversitesi
Kütüphane ve Dokümantasyon Daire Başkanlığı
Açık Ders Malzemeleri

Syllabus

Dersin Kodu ve İsmi	**PHA715 GENOMICS AND KEMOINFORMATICS IN MEDICINAL CHEMISTRY**
Dersin Sorumlusu	Doç.Dr. Zühal KILIÇ-KURT
Dersin Düzeyi	Bachelor's Degree
Dersin Kredisi	1
Dersin Türü	Optional
Dersin İçeriği	Over the last two decades, several new genomics technologies have been developed in hopes of addressing the issues of target identification and lead candidate optimization. With the successful integration of these technologies into the drug discovery process, more rational approaches are emerging in target selection and clinical trial design in drug research and development studies. Knowledge of all the human genes and their functions change drug research strategy and drug discovery development processes. Within the scope of this course, the structures of nucleic acids (DNA, RNA) and proteins, which are biological molecules that are drug targets in medicinal chemistry, the concepts of genomics and proteomics and metabolomics, genomics approaches in drug design and drug molecules developed with these approaches are discussed.
Dersin Amacı	Within the scope of this course, it is aimed to explain the role of developments in genomics and proteomics in drug research and development studies, the identification and optimization of new targets, the convenience they provide in finding lead compounds, the drugs developed with these new approaches and the diseases that are treated.
Dersin Süresi	1 hour/week
Eğitim Dili	English
Ön Koşul	-
Önerilen Kaynaklar	1- Tingting Cheng, Xianquan Zhan Pattern recognition for predictive, preventive, and personalized medicine in cancer, EPMA Journal, 8, 51-60 (2017). 2- 2. Rocco Savino, Sergio Paduano, Mariaimmacolata Preianò and Rosa Terracciano, The Proteomics Big Challenge for Biomarkers and New Drug-Targets Discovery, Int. J. Mol. Sci, 13, 13926-13948 (2012).
Dersin Kredisi (AKTS)	3
Laboratuvar	-
Diğer-1	-